



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Signed: \_\_\_\_\_

Marilyn L. Vail

INFORMATION DISCLOSURE STATEMENT

SERIAL NUMBER: 10/729,509

FILING DATE: 12/04/2003

EXAMINER: THOMAS A. BEACH

GROUP ART UNIT: 3671

FIRST NAMED INVENTOR: JAMES E. CHITWOOD

SECOND NAMED INVENTOR: WILLIAM BANNING VAIL III

TITLE: HIGH POWER UMBILICALS FOR ELECTRIC FLOWLINE  
IMMERSION HEATING OF PRODUCED HYDROCARBONS

IDS  
Serial No. 10/729,509  
Rig-2

1 April 15, 2005

2

3

4 Commissioner for Patents

5 P.O. Box 1450

6 Alexandria, VA 22313-1450

7

8 Dear Sir;

9

10 This Information Disclosure Statement ("IDS")  
11 is submitted after the Office Action mailed on 12/15/2004  
12 had been received by applicant.

13

14 Accompanying this letter is Form PTO-1449 identifying  
15 certain "U.S. Patent Documents" that are respectively  
16 References AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL,  
17 AM, and AN; and a "Foreign Patent Document" that is  
18 Reference BA.

19

20 As a result of responding to the Office Action mailed  
21 12/15/2004, it is necessary to forward to USPTO an entire  
22 copy of US 6,357,485 B2 that is Reference AA in  
23 Form PTO-1449. An entire copy of Reference AA  
24 accompanies this document.

25

26 In addition, applicant became aware of additional  
27 references as a result of the June 15, 2004 International  
28 Search Report for International Application  
29 No. PCT/US03/38615 that cites References AB, AC, AD, and  
30 AE. Entire copies of References AB, AC, AD and AE  
31 accompany this document.

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1 PCT/US2003/038615 was published as WO 2004/053935 A2  
2 on 6/24/2004, which claims priority from the instant case,  
3 a copy of which accompanies this correspondence as  
4 Reference BA.

5  
6 Reference AB is not pertinent to applicant's  
7 invention because heating is generated by using "magnetic  
8 core 38" (column 6, lines 51-52) that generates an AC  
9 magnetic field that heats by inductive heating. As  
10 another example, the phrase "magnetically permeable  
11 core 38" appears in column 6, lines 42-43. Also, please  
12 see all the claims in Reference AB that recite similar  
13 structures.

14  
15 References BB, BC, and BD are general references in  
16 the art, but are not relevant to applicant's invention or  
17 to applicant's claims.

18  
19 Further references in the field are presented in  
20 References AF, AG, AH, AI, AJ, AK, AL, AM, and AN that are  
21 defined in the accompanying PTO Form-1449. Entire copies  
22 of these references accompany this correspondence. These  
23 references do not describe applicant's invention nor do  
24 they anticipate applicant's claims. As one example,  
25 Reference AI describes electrical conductors 20  
26 (in Fig. 1) that are presumably strapped externally to  
27 "a length of conduit for conveying fluid to the surface  
28 28." (column 3, lines 47-48). This is a much more complex  
29 and cumbersome method to provide electrical conductors  
30 downhole than taught by applicant's invention.

31  
32 Applicant does not admit that any of such documents,  
33 alone, or in any combination, is considered to be material

1 to patentability as defined in 37 CFR § 1.56. Moreover,  
2 the inclusion of these documents is not to be construed as  
3 an admission by applicant that each such document is prior  
4 art as to the above-identified patent application.  
5

6 However, applicant requests that each such reference  
7 be published on the front page of any patent that issues  
8 on this case. Thank you.  
9

10  
11 Payment of Fees  
12

13 To the best knowledge of applicant, no fees are  
14 required for this IDS. However, if any additional fees  
15 are required related to this correspondence, or to any  
16 other correspondence related to the instant application,  
17 please charge applicant's Account No. 50-0499 that was  
18 established on 3/20/98. Fees on patents and patent  
19 applications entirely owned, or owned in part, by William  
20 Banning Vail III may be made from this account. William  
21 Banning Vail III is doing business as an inventor under  
22 the name of "Vail's Inventions". Marilyn L. Vail, the  
23 wife of William Banning Vail III, may also direct that  
24 fees be paid from this Account No. 50-0499. If for  
25 unforeseen reasons funds are not available in that  
26 account, please let applicant know as soon as possible and  
27 said deficiencies will be paid immediately. In the event  
28 of overpayment of any fees herein, applicant respectfully  
29 requests that any overpayment be deposited into Account  
30 No. 50-0499.  
31  
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1 Pro-Se Case

2  
3 This application is filed pro-se. The applicant is  
4 using the book entitled "Patent It Yourself", Ninth  
5 Edition, by David Pressman, and if there are errors,  
6 please advise the inventor, and such errors will be  
7 corrected immediately.  
8

9 Please address all correspondence involving this case  
10 to the inventor at the below defined address. Thank you.  
11

12  
13  
14 Very respectfully submitted,  
15

16 William Banning Vail III  
17  
18 William Banning Vail III  
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5/15/2005  
Date

32 (This is the signature page for the Information Disclosure  
33 Statement for Serial No. 10/729,509.)

IDS  
Serial No. 10/729,509  
Rig-2



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.  10/729,509
	APPLICANT  James E. Chitwood	
	FILING DATE 12/04/2003	GROUP ART 3671

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
	AA	6,357,485 B2	03/19/2002	Quigley et al.	138	125	06/06/2001
	AB	6,112,808	09/05/2000	Isted	166	60	09/19/1997
	AC	5,099,918	03/31/1992	Bridges et al.	166	60	01/25/1991
	AD	4,538,682	09/03/1985	McManus et al.	166	255	09/08/1983
	AE	5,782,301	07/21/1998	Neuroth et al.	166	302	10/09/1996
	AF	4,793,409	12/27/1998	Bridges et al.	166	57	06/18/1987
	AG	5,070,533	12/03/1991	Bridges et al.	392	301	11/07/1990
	AH	5,285,846	02/15/1994	Mohn	166	61	03/27/1991
	AI	6,318,467 B1	11/20/2001	Liu et al.	166	302	12/01/1999
	AJ	6,371,693 B1	04/16/2002	Kopp et al.	405	158	10/04/2000
	AK	6,412,562 B1	07/02/2002	Shaw	166	335	09/07/2000
	AL	6,536,522 B2	03/25/2003	Birkhead et al.	166	250.15	02/22/2001
	AM	US 2003/0056954 A1	03/27/2003	Headworth	166	302	09/23/2002
	AN	6,695,052 B2	02/24/2004	Branstetter et al.	166	250.15	01/08/2002
	AO						
	AP						

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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	APPLICANT  James E. Chitwood	
	FILING DATE 12/04/2003	GROUP ART 3671

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	BA	WO 2004/053935 A2	06/24/2004	World Intellectual Property Organization	H0	1L		
	BB							
	BC							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	CA	
	CB	
	CC	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	